



Providing climate services on the web for Norway and Svalbard

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The Norwegian Centre for Climate Services (NCCS) provides climate services on the web to the public. Different groups have different needs, and different products are developed to meet this variety of needs.

Climate projections have been calculated for both Svalbard and Norway until 2100 for several climate indices, like temperature, precipitation, runoff, flooding, days of snow coverage etc., and for high and moderate emission scenarios. The climate change at Svalbard is much more dramatic than in Norway. These results are provided on the web by a variety of products.

The full report documenting the research on climate projections are available as a comprehensive guide to research and results mainly for other researchers. The key findings are extracted in a summary as an introduction for researchers and the general public. Many climate indices are visualised by maps and graphs. They provide an easily accessible geographical overview of the future changes and reference period both for researchers, long term planners that needs to take climate change into account, as well as the the general public.

The model results are available for further research purposes, e.g. impact research. They can be downloaded for selected models, with diurnal and 1 x 1 km resolution. The user can easily restrict the download to a selected area of a municipality, county or a flexible self defined area. The model results are easily available in several common file formats.

In order to provide the most critical information for local climate adaptation and long term planning, climate fact sheets have been produced for each county in Norway and Longyearbyen at Svalbard. The climate fact sheets have been produced in close, interactive collaboration with county and municipal administration to become as useful as possible for these users. The objective has been to make the results simple, to the point and easily accessible, focusing on main challenges and risks in each county. Examples will be given from the climate fact sheet for Longyearbyen at Svalbard.